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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/573,629

12/22/2006

Hubert Bischof

3651

5669

278

7590

11/30/2009

MICHAEL J. STRIKER
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EXAMINER

GONZALEZ QUINONES, JOSE A

ART UNIT

PAPER NUMBER

2834

NOTIFICATION DATE

DELIVERY MODE

11/30/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

striker@strikerlaw.com

Office Action Summary	Application No. 10/573,629	Applicant(s) BISCHOF ET AL.	
	Examiner JOSE A. GONZALEZ QUINONES	Art Unit 2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 9/1/09.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>20061114</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments see page 6-9, filed September 01, 2009, with respect to Claims 1-7 have been fully considered and are persuasive. The rejection of 35 U.S.C. 103(a) has been withdrawn.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on November 14, 2006, is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

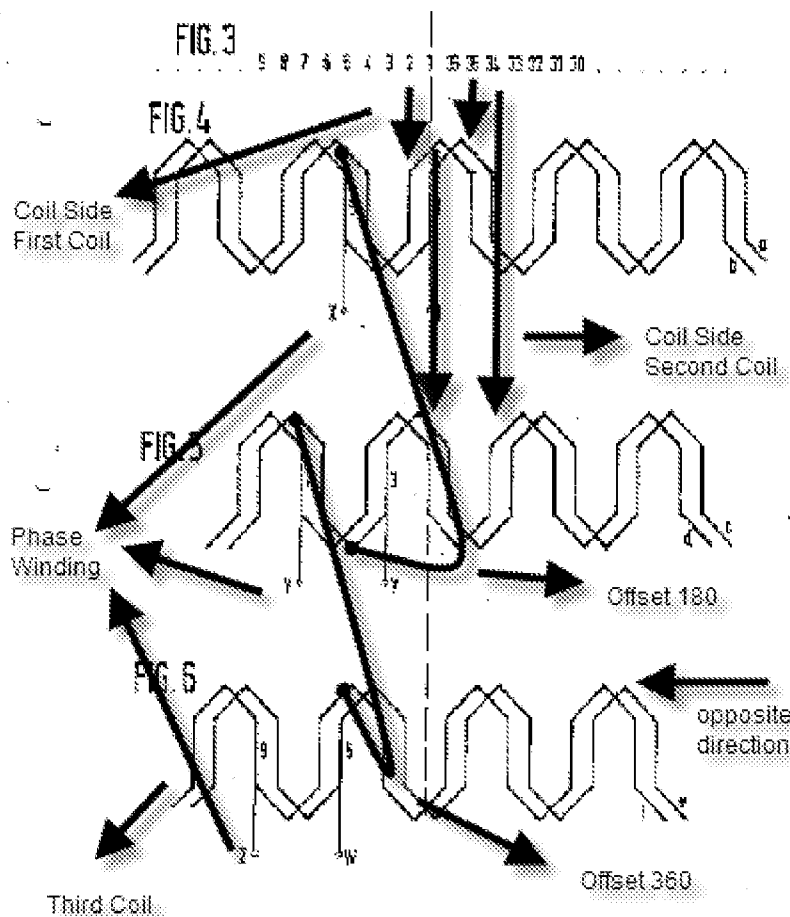
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Kreuzer (DE3141153 A1).

As to claim 1, Kreuzer teaches stator (115) of a three-phase generator, having a multi-strand stator winding, wherein each of the m phase windings (X, Y, Z) is comprised of a group , which has a first coil with coil sides (See annotation in figure 3-6), which are contained in grooves (2 and 35) that are spaced apart from one another by 180° electrically and the first coil has a particular number of turns (Zw), has a second coil with coil sides (See annotation in figure 3-6), which are contained in grooves (1 and

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34) that are spaced apart from one another by 180° electrically and the second coil has a particular number of turns (z_w), the second coil is offset from the first coil in a first direction by $180^\circ/m$ ($M=3$) electrically, and in accordance with the predetermined number of pole pairs, a corresponding number of groups that are offset from one another by 360° electrically are arranged one after another in the stator (115) as shown in figure 3-6. (See figure 3-6 below)

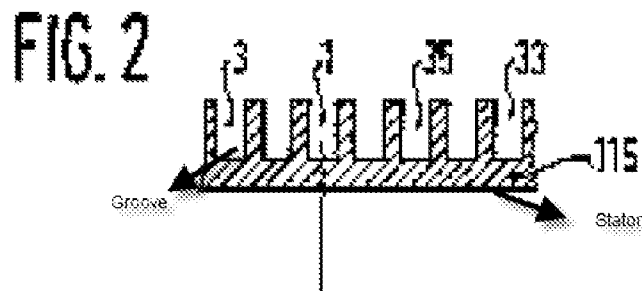


As to claim 2, Kreuzer teaches wherein the group also has a third coil that precedes the first coil by $180^\circ/m$ electrically in a second direction opposite from the first offset direction as shown in figure 3-6. (See figure 3-6 above)

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As to claim 4, Kreuzer teaches wherein the phase windings (X, Y, and Z) are comprised of multi-strand wire as shown in figure 3-6. (See figure 3-6 above)

As to claim 5, Kreuzer teaches wherein it is a flat packet stator as shown in figure 2. (See figure 2 below)



As to claim 6, Kreuzer teaches wherein the coil sides of the stator winding are shaped and adapted to a groove contour as shown in figure 2. (See figure 2 above)

As to claim 7, Kreuzer teaches wherein it is the stator (115) of a machine with three phase windings (X, Y, Z), in particular a three-phase generator as shown in figure 3-6. (See figure 3-6 above)

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kreuzer (DE3141153 A1) as applied in claim 2 above and further in view of Kirschbaum (4,476,422).

As to claim 3, Kreuzer has been discussed above but fails to disclose wherein the third coil has fewer turns than the first coil.

However Kirschbaum teaches first coil in each of said coil groups has a number of turns which differs from the number of turns of the other coils (Claim 1).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Kreuzer to use a coil that has different turns than that coil as taught by Kirschbaum to provide excellence generating characteristics at the same time a compact stator winding.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSE A. GONZALEZ QUINONES whose telephone number is (571)270-7850. The examiner can normally be reached on 1 st week Monday to Friday 7:30 AM to 5:00 PM and 2nd week Monday to Thursday 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quyen P. Leung can be reached on 571-272-8188. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Quyen Leung/
Supervisory Patent Examiner, Art Unit 2834

/JOSE A GONZALEZ QUINONES/
Examiner, Art Unit 2834
November 20, 2009